

## APPENDIX

### Changes to Specification:

The paragraph beginning at the bottom of page 8:

**Figure 1** is a schematic representation of the two novel single nucleotide polymorphisms in SCA2 gene. The top line depicts the position of the 25 exons of the SCA2 gene. The second line shows the relative locations of the two polymorphic sites and the CAG repeat tract in exon 1 of SCA2 gene. Both the polymorphisms are also shown in sequence context below the gene. A depicts bases 10-19 of SEQ ID NO:10 and bases 10-19 of SEQ ID NO:9. B depicts bases 10-19 of SEQ ID NO:12 and bases 10-19 of SEQ ID NO:11.

On page 9, paragraphs 4-6:

**Figure 4** shows the details of the SNP with reference ID 695871 submitted by the applicants in the SNP database [<http://www.ncbi.nlm.nih.gov/SNP/>].

**Figure 5** shows the details of the SNP with reference ID 695872 submitted by the applicants in the SNP database [<http://www.ncbi.nlm.nih.gov/SNP/>].

**Figure 6** shows the complete CDNA sequence of the human SCA2 MRNA submitted by pulst, S-M in the Genbank database [<http://www.ncbi.nlm.nih.gov/SNP/>].

On page 10, fourth paragraph:

(The applicants have already submitted these two SNPs in the SNP database [<http://www.ncbi.nlm.nih.gov/SNP/>]) on August 2, 2000. The first SNP at position 481 and having either a G or a C base have a reference SNP ID 695871. The reference SNP ID for the second SNP at position 552 and with T or a C base is 695872).

At page 10, line 24:

For example, the nucleotide sequence of the allelic variant of human SCA2 gene having polymorphic sites as listed in Table 1 may be-

5' C TCC GCC TCA GAC TGT TTT GGT AGC AAC GGC AAC GGC GGC GGC  
GCG TTT CGG CCC GGC TCC CGG CGG CTC CTT GGT CTC GGC GGG CCT  
CCC CGC CCC TTC GTC GTC CTC CTT CTC CCC CTC GCC AGC CCG GGC GCC  
CCT CCG GCC GCG CCA ACC CGC GCC TCC CCG CTC GGC GCC CGC GCG  
TCC CCG CCG CGT TCC GGC GTC TCC TTG GCG CGC CCG GCT CCC GGC  
TGT CCC CGC CCG GCG TGC GAG CCG GTG TAT GGG CCC CTC ACC ATG  
TCG CTG AAG CCC CAG CAG CAG CAG CAG CAG CAG CAG CAA CAG CAG  
CAG CAG CAA CAG CAG CAG CAG CAG CAG CAG CAG CCG CCG CCC GCG  
GCT GCC AAT GTC CGC AAG CCC GGC GGC AGC GGC CTT CTA GCG TCG  
CCC GCC GCC GCG CCT TCG CCG TCC TCG TCC TCG GTC TCC TCG TCC TCG  
GCC AC 3' (SEQ ID NO:13)

[Underlining of nucleotide bases added to emphasize bold characters]

Changes to the claims:

Claims 1-9 are cancelled, claims 10-16 are entered.